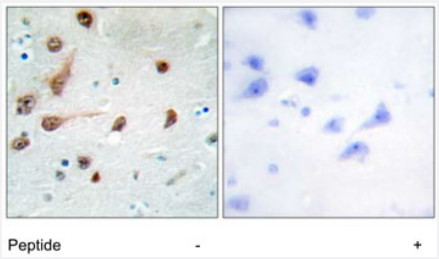
ADAR polyclonal antibody

Catalog # PAB18055 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embedded human brain tissue, using ADAR polyclonal antibody (Cat # PAB18055).
Peptide "+" means "with peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ADAR.
Immunogen	A synthetic peptide corresponding to human ADAR.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to ADAR.
Form	Liquid
Recommend Usage	Immunohistochemistry (1:50~1:100) IELISA (1:40000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemistry analysis of paraffin-embedded human brain tissue, using ADAR polyclonal antibody (Cat # PAB18055). Peptide "+" means "with peptide blocking".

- Immunohistochemistry

- Enzyme-linked Immunoabsorbent Assay

Gene Info — ADAR

Entrez GeneID	103
Protein Accession#	P55265
Gene Name	ADAR
Gene Alias	ADAR1, DRADA, DSH, DSRAD, G1P1, IFI-4, IFI4, K88dsRBP, p136
Gene Description	adenosine deaminase, RNA-specific
Omim ID	127400 146920
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the enzyme responsible for RNA editing by site-specific deamination of aden osines. This enzyme destabilizes double stranded RNA through conversion of adenosine to inosin e. Mutations in this gene have been associated with dyschromatosis symmetrica hereditaria. Alte rnate transcriptional splice variants, encoding different isoforms, have been characterized. [provid ed by RefSeq
Other Designations	136 kDa double-stranded RNA binding protein|OTTHUMP00000035372|OTTHUMP0000003537 3|adenosine deaminase acting on RNA 1-A|double-stranded RNA-specific adenosine deaminas e|interferon-induced protein 4|interferon-inducible protein 4

Publication Reference

- Global, in vivo, and site-specific phosphorylation dynamics in signaling networks.

  Olsen JV, Blagoev B, Gnad F, Macek B, Kumar C, Mortensen P, Mann M.

  Cell 2006 Nov; 127(3):635.

- A probability-based approach for high-throughput protein phosphorylation analysis and site localization.

  Beausoleil SA, Villén J, Gerber SA, Rush J, Gygi SP.

  Nature Biotechnology 2006 Oct; 24(10):1285.

- Functionally distinct double-stranded RNA-binding domains associated with alternative splice site variants of the interferon-inducible double-stranded RNA-specific adenosine deaminase.

  Liu Y, George CX, Patterson JB, Samuel CE.

  The Journal of Biological Chemistry 1997 Feb; 272(7):4419.

  Application: WB-Tr, Monkey, COS-1 cells

Pathway

- Atrazine degradation

Disease

- Genetic Predisposition to Disease
- Hepatitis B
- Hepatitis C
- Liver Cirrhosis
- Multiple Sclerosis
- Tobacco Use Disorder